

SLIDE CLAMP

Abstract of the Disclosure

A slide clamp includes a slot formed in a plate through which a fluid tube is mounted. The tube may be moved to a flow section of the slot or to an occluding section of the slot. Interconnecting the flow and occluding sections is a pinch zone in which the slot is narrower than the occluding section. Because of this narrow slot, the pinch zone resists movement of the tube from either the occluding or the flow sections into another section. The pinch zone includes a pair of curved beams that are formed as a result of apertures formed in the plate at locations laterally outward from the slot of the pinch zone. As a tube is forced from the occluding section to the flow section the curved beams flex outwardly permitting the tube to pass. However, if enough force is not applied to the tube, it will not overcome the curved beams and they will stop movement of the tube. After the tube has passed, the curved beams resiliently return to their rest position once again providing a stop. The beams are symmetrically shaped and will permit movement of the tube in either direction. The apertures also provide identification markers for the slide clamp.